

## MODULE II

### GENERAL FACILITY CONDITIONS

#### II.A. APPLICABILITY

- II.A.1. The requirements of this Permit module pertain to the hazardous waste facility and the hazardous waste management units identified within the modules of this Permit.
- II.A.2. The Permittee shall comply with the applicable requirements of UAC R315-13 and any additional applicable requirements of UAC R315-13 when such requirements become effective.
- II.A.3. The Permittee shall comply with UAC R315-5 when the Permittee is a generator of hazardous waste.
- II.A.4. For information purposes, references to some state rules are provided in some conditions of this Permit.

#### II.B. DESIGN AND OPERATION OF FACILITY

- II.B.1. The Permittee shall design, construct, maintain, and operate the Facility to minimize the possibility of a fire, explosion, or any sudden or non-sudden release of hazardous waste constituents to air, soil, groundwater, or surface water which could threaten human health or the environment. [UAC R315-8-3.2.] Should one of these incidents occur, the Permittee shall implement Attachment II-6, *Contingency Plan*.
- II.B.2. The Permittee shall construct all hazardous waste management units in accordance with the approved design drawings and specifications contained in the respective approved Permit modification or, for landfill units originally permitted, as provided in the approved construction quality assurance plan, Attachment II-9, *Construction QA/QC Plan*, except for minor changes deemed necessary by the Permittee to facilitate proper construction of the hazardous waste management unit. (See II.S and Attachment II-11, *Facility Drawings*, for facility drawings associated with this Permit).

- II.B.3. Minor deviations from the approved designs or specifications necessary to accommodate proper construction and the substitution of equivalent or superior materials or equipment shall be noted on reports and on the required as-built drawings to be submitted in accordance with Condition II.B.4. The rationale for those deviations shall be documented in written form.
- II.B.4. After completion of construction of each hazardous waste management unit, the Permittee shall submit final stamped as-built drawings and a written report to the Executive Secretary as part of the construction certification documentation specified in Condition I.F.11.
- II.B.5.a. The Permittee shall manage site run-off from the Mixed Waste area, excluding the interim infiltration barrier area, in the Mixed Waste retention pond or in containers.
- II.B.5.b. The Permittee shall manage interim infiltration barrier run-off in the Mixed Waste retention pond, in containers, or drain run-off from the infiltration barrier system off-site after a non-hazardous confirmation of the water has been obtained in accordance with Condition V.G. of this Permit.
- II.B.6. Wastes profiled to be liquid wastes and those wastes that require solidification shall be managed in accordance with Attachment II-1-4, *Liquid Waste Management Plan*.
- II.B.7. For waste stabilization, the Permittee shall treat waste in accordance with Attachment II-1-3, *Waste Stabilization Plan*.
- II.C. REQUIRED NOTICE
- II.C.1. Hazardous Waste Imports. The Permittee shall notify the Executive Secretary in writing at least four weeks in advance of the expected arrival date of hazardous waste shipments from a foreign source at the facility. Notice of subsequent shipments of the same waste from the same foreign source is not required. [UAC R315-8-2.3(a).]
- II.C.2. Hazardous Waste from off-site sources. When the Permittee is to receive hazardous waste from an off-site source (except where the Permittee is also the generator), the Permittee shall inform the generator in writing that the Permittee

has the appropriate Permits for, and will accept, the waste the generator is shipping. The Permittee shall keep a copy of this written notice as part of the operating record as required by Condition II.M.1. [UAC R315-8-2.3(b).]

II.D. GENERAL WASTE ANALYSIS

- II.D.1. The Permittee shall follow the procedures described in Attachment II-1, *Waste Analysis Plan*. [UAC R315-8-2.4.]
- II.D.2. The Permittee shall follow the procedures for waste tracking described in Attachment III-2, *Waste Identification and Tracking Plan*.
- II.D.3. Acceptance testing of shipments shall be recorded in the operating record and compared to tolerance ranges as prescribed in Attachment II-1, *Waste Analysis Plan (WAP)*. Tolerance exceedances shall be explained in the comments section of the operating record only if the waste in question is accepted.
- II.D.4. For samples taken pursuant to the requirements in the WAP, which are sent to an off-site laboratory, the Permittee shall only use test methods described in the approved WAP. For fingerprint samples, the Permittee shall use the fingerprint methods in Attachment II-1-1.
- II.D.5. The Permittee shall update each ongoing waste stream profile annually as outlined in the requirements of Section II.8 of Attachment II-1, *Waste Analysis Plan*.
- II.D.6. Annually, the Permittee shall re-characterize each on-site-generated hazardous waste and update the waste=s profile information.
- II.D.7. Annually, the Permittee shall collect both a liquid and a sludge sample and analyze each separately at a Utah certified laboratory from the Run-Off Pond for hazardous waste constituents, to include both listed and characteristic wastes, using the most current SW-846 Methods.
- II.D.8. At a minimum, the Permittee shall:
  - II.D.8.a. Maintain proper functional instruments;

- II.D.8.b. Use sampling and analytical methods in accordance with Condition I.F.14.a;
- II.D.8.c. Demonstrate the validity of sampling and analytical procedures and results when requested by the Executive Secretary. This may involve sampling and analytical demonstrations or making data validation packages available for review.
- II.D.8.d. Perform correct calculations.
- II.D.9. During the waste pre-acceptance phase, the Permittee shall determine if free liquids are present in a waste stream by visual inspection or use of the Paint Filter Liquids Test as outlined in Attachment II-1, *Waste Analysis Plan*.
- II.D.10. The Permittee shall perform "fingerprint" analysis on incoming waste shipments in accordance with Attachment II-1, *Waste Analysis Plan*. The Permittee shall conduct these fingerprint analyses at the Facility.
- II.D.11. The Permittee may only accept those wastes listed in Condition III.B.1. of this Permit. The Permittee shall not accept the wastes listed in Condition III.C. of this Permit.
- II.D.12. The Permittee shall weigh every incoming load to verify the shipment weight. Any weight discrepancy greater than ten percent or for containerized wastes, any variation in one piece count, such as a discrepancy of one drum in a truckload, shall be resolved in accordance with Attachment II-1, *Waste Analysis Plan*.
- II.D.13. The Permittee shall not store, hold, treat, or dispose of waste outside the fenced permitted Facility boundary.
- II.D.14. For each calendar year, the Permittee shall submit to the Executive Secretary, by March 31 of the subsequent year, a report that summarizes on-site waste analysis and acceptance. The report shall include the following information:
  - II.D.14.a. Generator number.
  - II.D.14.b. Shipment identification number.
  - II.D.14.c. Shipment date.

- II.D.14.d. Sampling date.
- II.D.14.e. Summary of results from analyses.
- II.D.14.f. Land Disposal Restriction (LDR) status (i.e., whether waste requires treatment prior to disposal).
- II.D.14.g. Acceptance or rejection of a load.
- II.D.14.h. Final location of a load.
- II.D.15. For the on-site analyses outlined in Attachment II-1, *Waste Analysis Plan* the Permittee is not required to be a Utah-certified laboratory.
- II.E. SECURITY
- II.E.1. The Permittee shall comply with the requirements outlined in Attachment II-2, *Security Plan*.
- II.F. GENERAL INSPECTION REQUIREMENTS
- II.F.1. The Permittee shall comply with the requirements in Attachment II-3, *Site Inspection Plan*.
- II.F.2. If a remedy requires more time than is allowed in Attachment II-3, *Site Inspection Plan*, the Permittee shall submit to the Executive Secretary, before the expiration of the time period, a proposed schedule for correcting the problem. [UAC R315-8-2.6(c).]
- II.F.3. Records of inspections required by this Permit shall be kept in the operating record. [UAC R315-8-2.6(d).]
- II.F.4. All annual tests for tank corrosion, foundation integrity, and secondary containment integrity shall be certified by an independent, qualified Utah registered professional engineer.
- II.F.5. If, upon determination by the Executive Secretary or the Permittee, continued operation of a waste management unit could endanger human health and the

environment, the Permittee shall cease operation of the unit until the problem has been corrected.

II.G. PERSONNEL TRAINING

II.G.1. The Permittee shall conduct personnel training as required in Attachment II-4, *Personnel Training Plan*. [UAC R315-8-2.7.]

II.H. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

II.H.1. The Permittee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive waste.

II.H.2. The Permittee shall separate and protect ignitable and reactive waste from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical, or mechanical), spontaneous ignition (e.g., from heat-producing chemical reactions), and radiant heat.

II.H.3. While ignitable or reactive waste is being handled, the Permittee shall confine smoking and open flame to specially designated locations. "No Smoking" signs shall be conspicuously placed wherever there is a hazard from ignitable or reactive waste.

II.H.4. The Permittee shall take precautions to prevent reactions which:

II.H.4.a. Generate extreme heat or pressure, fire or explosions, or violent reactions;

II.H.4.b. Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment;

II.H.4.c. Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions;

II.H.4.d. Damage the structural integrity of the device or facility;

- II.H.4.e. Through other like means threaten human health or the environment.
- II.H.5. The Permittee shall comply with the conditions of Modules III and IV pertaining to ignitable, reactive, or incompatible waste. [UAC R315-8-2.8.]
- II.H.6. The Permittee shall document any precautions taken pursuant to Condition II.H in the operating record.
- II.I. LOCATION STANDARDS
- II.I.1 The Executive Secretary has determined prior to issuance of the original Permit on November 30, 1990, that this Facility has met the location standards and siting criteria for new facilities required by State rules.
- II.J. EMERGENCY MANAGEMENT PROCEDURES
- II.J.1. The Permittee shall follow Attachment II-5, *Preparedness and Prevention Plan*.
- II.J.2. At a minimum, the Permittee shall equip, test, and maintain in good operating condition, at the Facility, all emergency equipment listed in Attachment II-6, *Contingency Plan* in accordance with Attachment II-5, *Preparedness and Prevention Plan*, and Attachment II-3, *Site Inspection Plan*.
- II.J.3. The Permittee shall test and maintain the equipment used in the Mixed Waste laboratory on a monthly basis. [UAC R315-8-3.4.]
- II.J.4. The Permittee shall maintain records of preventive maintenance and repair activities on the equipment specified in Condition II.J.2. and shall keep schedules, reflecting minimum and planned frequency for the testing and performance of preventive maintenance activities in the Operating Record in accordance with Condition I.I.1.f of this Permit.
- II.J.5. Access to Communications or Alarm Systems during Facility operations shall be maintained in accordance with Attachment II-5, *Preparedness and Prevention Plan*.

II.J.6. The Permittee shall document refusals made with state and local emergency response organizations related to specific hazards at the Permittee's Facility in accordance with Attachment II-5, *Preparedness and Prevention Plan*.

II.K. CONTINGENCY PLAN

II.K.1. Implementation of Plan. Whenever there is a fire, explosion, or release of a hazardous waste or hazardous waste constituent which threatens or could threaten human health or the environment, the Permittee shall immediately implement the provisions of Attachment II-6, *Contingency Plan*, and follow the emergency procedures described therein. [UAC R315-8-4.7]

II.K.2. Amendments to Plan. The Permittee shall review and immediately amend, if necessary Attachment II-6, *Contingency Plan*. [ UAC R315-8-4.5]

II.K.3. A revised list of persons qualified and designated as Emergency Coordinators shall be submitted to the Executive Secretary within seven days of a change in any emergency coordinator information. The list shall include names, addresses, and phone numbers of those persons.

II.K.4. The change identified in Condition II.K.3, above, shall constitute a Class I modification.

II.L. MANIFEST SYSTEM

II.L.1. The Permittee shall comply with the manifest requirements of UAC R315-8-5.2, R315-8-5.4, and R315-8-5.7.

II.L.2. If the waste load is refused and returned to the generator, such action shall be documented in the operating record.

II.L.3. Copies of all manifests received by the Permittee as well as all manifests where the Permittee is listed as the generator shall be submitted to the Executive Secretary by the 20th day of the month following the month during which the manifests were received.

II.M. RECORD KEEPING AND REPORTING



- II.M.1. The Permittee shall comply with the record keeping and reporting requirements specified in this Permit.
- II.M.2. Documentation of incoming shipment inspections and the results of fingerprint analysis required by Attachment II-1 shall be submitted by the Permittee to the Executive Secretary by the 20th of the month following the month in which hazardous waste shipments were received.
- II.M.3. The Permittee shall maintain at the Facility, a written waste minimization certification in accordance with Condition II.M.1. [UAC R315-8-5.3.]
- II.M.4. The Permittee shall, by March 31 of each year, submit to the Executive Secretary a certification that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that he generates to the degree determined by the Permittee to be economically practicable, and the proposed method of treatment, storage, or disposal is the most practicable method currently available to the Permittee which minimizes the present and future threat to human health or the environment. [UAC R315-8-5.3.]
- II.M.5. The Permittee shall submit a biennial report to the Executive Secretary as required by Condition I.F.23. [UAC R315-8-5.6. and UAC R315-8-2.8.]
- II.M.6. The Permittee shall submit unmanifested waste reports to the Executive Secretary in accordance with Condition I.F.22, and other reports as required by Attachment II-6, *Contingency Plan*, and Attachment II-7, *Closure Plan*. [UAC R315-8-5.8.]
- II.M.7. All reports, notifications, application, or other materials required to be submitted to the Executive Secretary shall be submitted to the address below unless another address is approved by the Executive Secretary. Notifications shall be made via letter or facsimile.

Executive Secretary  
Utah Solid and Hazardous Waste Control Board  
P.O. Box 144880  
288 North 1460 West  
Salt Lake City, UT 84114-4880

- II.M.8. The Permittee shall maintain the following independent (stand-alone) records in the operating record:
- II.M.8.a. The *Rejected Waste Record*. The *Rejected Waste Record* shall list all shipments (i.e., every waste stream of every generator) of hazardous waste that were rejected by the Permittee. This record shall contain information on all rejected hazardous waste loads as listed below:
- II.M.8.a.i. Generator number,
- II.M.8.a.ii. Waste codes,
- II.M.8.a.iii. Manifest number,
- II.M.8.a.iv. The date the waste arrived at the facility,
- II.M.8.a.v. The date the waste was rejected,
- II.M.8.a.vi. Name of the facility where waste was shipped,
- II.M.8.a.vii. A copy of the manifest,
- II.M.8.a.viii. The reason the waste was rejected, and
- II.M.8.a.ix. Quantity of waste.
- II.N. CLOSURE/POST-CLOSURE
- II.N.1. The Permittee shall meet the general closure performance standard specified in UAC R315-8-7 during closure of all hazardous waste management units at the Facility. Compliance with UAC R315-8-7 shall require closure of each hazardous waste management unit in accordance with Attachment II-7, *Closure Plan*.
- II.N.2. Amendment to Closure/Post-Closure Plan. The Permittee shall amend the Closure and Post-Closure Plans in accordance with UAC R315-8-7, whenever necessary, or when required to do so by the Executive Secretary.

- II.N.3. The Permittee shall notify the Executive Secretary at least 180 days prior to the commencement of closure of any hazardous waste unit, or the Facility, in accordance with UAC R315-8-7. Upon written notification of closure, the Permit shall be modified as necessary.
- II.N.4. The Permittee shall, within 90 days of receipt of the written approval from the Executive Secretary, in accordance with UAC R315-8-7 of the modified closure or post-closure plans, close the hazardous waste management unit in accordance with the approved plans.
- II.N.5. After receiving the final volume of hazardous waste, the Permittee shall treat, remove from the site, or dispose on site all hazardous waste and complete closure activities in accordance with the schedule specified in Attachment II-7, *Closure Plan*.
- II.N.6. The Permittee shall either decontaminate, or dispose, of all facility equipment, structures, soils, and rinsate as required by UAC R315-8-7, and Attachment II-7, *Closure Plan*, only at a permitted hazardous waste treatment, storage or disposal facility.
- II.N.7. The Permittee shall certify that the Facility has been closed in accordance with the specifications in Attachment II-7, *Closure Plan*, as required by UAC R315-8-7 and provide a certification by an independent, qualified, Utah registered professional engineer that the Closure Plan was properly implemented.
- II.N.8. For all hazardous waste management units, minor deviations from the permitted closure plan procedures necessary to accommodate proper closure shall be described in narrative form with the closure certification statements. The Permittee shall describe the rationale for implementing minor changes as part of this narrative report.
- II.N.9. Within 60 days after completion of closure of each hazardous waste management unit, the Permittee shall submit the certification statements and narrative report to the Executive Secretary.
- II.N.10. The Permittee shall submit a survey plat no later than the submission of certification of closure of each hazardous waste disposal unit, in accordance with UAC R315-8-7.

- II.N.11. The Permittee shall begin post-closure care for each of the land disposal units after completion of closure of the unit and continue for a minimum of 30 years after that date. Post-closure care shall be in accordance with UAC R315-8-7, and Attachment II-8, *Post Closure Plan*.
- II.N.12. The Permittee shall maintain security at the Facility during the post-closure care period, in accordance with Attachment II-8, *Post-Closure Plan*, and UAC R315-8-7.
- II.N.13. The Permittee shall amend Attachment II-8, *Post-Closure Plan* in accordance with UAC R315-8-7, whenever necessary or whenever requested by the Executive Secretary.
- II.N.14. No later than 60 days after certification of closure of each hazardous waste disposal unit, the Permittee shall submit to the Executive Secretary records of the type, location, and quantity of hazardous waste disposed within each cell or disposal unit, in accordance with UAC R315-8-7.
- II.N.15. Within 60 days of certification of closure of each hazardous waste disposal unit, the Permittee shall do the following:
  - II.N.15.a. Record a notation on the deed to the Facility property that the land has been used to manage hazardous waste; its use is restricted under 40 CFR Subpart G regulations; and the survey plat and record of the type, location, and quantity of hazardous wastes disposed within each cell unit of the facility have been filed with the local zoning authority or the authority with jurisdiction over land use and with the Executive Secretary, in accordance with UAC R315-8-7.
  - II.N.15.b. Submit a certification to the Executive Secretary that a notation, in accordance with UAC R315-8-7, has been recorded.
- II.N.16. The Permittee shall request and obtain a Permit modification in accordance with Condition I.D of this Permit for any post-closure removal of hazardous wastes, hazardous waste residues, liners, or contaminated soils, in accordance with UAC R315-8-7.

II.N.17. The Permittee shall certify that the post-closure care period was performed in accordance with the specifications in Attachment II-8, *Post-Closure Plan*, as required by UAC R315-8-7.

II.O. COST ESTIMATES FOR THE FACILITY CLOSURE

II.O.1. The Permittee shall prepare the closure and post-closure cost estimate in accordance with UAC R315-8-8, and Attachment II-7, *Closure Plan*. The cost estimate shall be attached as Attachment II-7-1.

II.O.2. By December 31 of each year, the Permittee shall adjust the closure cost estimate for inflation in accordance with UAC R315-8-8, and submit a Permit modification including a copy of the adjusted closure cost estimate to the Executive Secretary for approval. For each new hazardous waste unit placed into operation, an updated closure/post-closure cost estimate for the Facility shall be prepared which includes the new unit, 60 days prior to waste being managed in the new unit.

II.O.3. The Permittee shall revise the closure cost estimate or the post-closure cost estimate and submit a request to modify this Permit whenever there is a change in either the *Closure Plan* or *Post-Closure Plan*, respectively, as required by UAC R315-8-8.

II.P. FINANCIAL ASSURANCE

II.P.1. The Permittee shall demonstrate continuous compliance with UAC R315-8-8, and provide documentation of financial assurance, as required by UAC R315-8-8, in at least the amount of the cost estimates required by Condition II.O.1.

II.P.2. The Permittee shall obtain Executive Secretary approval at least 60 days prior to changing financial mechanisms pursuant to UAC R315-8-8.

II.P.3. The Permittee shall provide a funding mechanism from those specified in UAC R315-8-8, for its mixed waste operations. The Permittee shall not allocate funds from existing financial assurance agreements for other site operations to provide financial assurance for mixed waste management.

II.P.4. The Permittee shall include the currently approved financial instrument in Attachment II-7-2. Attachment II-7-2 shall be updated whenever the currently approved financial instrument is amended or changed.

II.P.5. If the Executive Secretary determines that corrective measures are necessary for any solid waste management unit, the Permittee shall comply with Condition VII.E. and shall prepare a cost estimate for the completion of any corrective measures, which shall be provided to the Executive Secretary. These costs shall be in addition to those specified in Condition II.O. and financial assurance shall be provided for such costs as specified in UAC R315-8-6.12(b).

II.Q. LIABILITY REQUIREMENTS

II.Q.1. The Permittee shall demonstrate continuous compliance with the requirements of UAC R315-8-8, (40 CFR 264.147 incorporated by reference) and the documentation requirements of UAC R315-8-8, including the requirements to have and maintain hazardous waste liability coverage for sudden accidental occurrences in the amount of at least one million U.S. dollars per occurrence with an annual aggregate of at least two million U.S. dollars, exclusive of legal defense costs.

II.Q.2. The Permittee shall submit an approvable certificate of hazardous waste liability insurance worded as required by UAC R315-8-8, and a current ACCORD Form from its insurance broker, each year prior to the date of the policy expiration or submit documents which comply with the requirements of a financial test, corporate guarantees, or both.

II.Q.3. The Permittee shall obtain Executive Secretary approval at least 60 days prior to changing financial mechanisms pursuant to UAC R315-8-8,.

II.Q.4. The Permittee shall demonstrate continuous compliance with the requirements to have and maintain liability coverage for non-sudden accidental occurrences in the amount of at least three million U.S. dollars per occurrence, with an annual aggregate of at least six million U.S. dollars, exclusive of legal defense costs.

II.R. FINANCIAL REQUIREMENTS

II.R.1. The Permittee shall comply with UAC R315-8-8.

II.S.            FACILITY DRAWINGS

II.S.1           The Permittee shall maintain drawings associated with this Permit in Attachment II-11, *Facility Drawings*.

II.T.            MISCELLANEOUS UNITS

II.T.1.           Reserved (December 5, 2003)

II.T.2.           Miscellaneous Units shall be operated in accordance with the appropriate operating plan.

II-T.2.a.        Miscellaneous Units within the Mixed Waste Operating Building shall only be operated in accordance with Attachment II-1-9, *Mixed Waste Operations Building Operating Plan*.

II.T.2.b.        Miscellaneous Units within the Mixed Waste Storage Building shall only be operated in accordance with Attachment II-1-13, *Mixed Waste Storage Building Operating Plan*.

II.T.2.c.        Miscellaneous Units within the Mixed Waste Treatment Building shall only be operated in accordance with Attachment II-1-11, *Mixed Waste Treatment Building Operating Plan*.

II.T.3.           Air pollution control devices within the building of operation shall be properly functioning during the operation of any miscellaneous unit(s) and in accordance with appropriate conditions of this Permit relating to the particular miscellaneous unit(s).

II.T.4.           The Permittee shall only perform treatment of hazardous waste in the following miscellaneous units:

II.T.4.a          Microencapsulation Extruder,

II.T.4.b          Microencapsulation Kinetic Mixer,

II.T.4.c.        MACRO Extruder (located in the Mixed Waste Operations Building),

- II.T.4.d. Mixer No. 1 (Ross Enviromixer, located in the Mixed Waste Treatment Building),
- II.T.4.e. Shredder No. 1 (Primary Shredder, located in the Mixed Waste Treatment Building),
- II.T.4.f. Shredder No. 2 (Secondary/ Tertiary Shredder, located in the Mixed Waste Treatment Building),
- II.T.4.g. Screen No. 1 (located in the Mixed Waste Treatment Building),
- II.T.4.h. Grizzly No. 1 (located in the Mixed Waste Treatment Building),
- II.T.4.i. Small-Scale Mixer (Portable),
- II.T.4.j. Drum Crusher (located in the Mixed Waste Operations Building),
- II.T.4.k. Thermal Desorption System (located in the Mixed Waste Storage Building), or
- II.T.4.l. Mercury Mixer (Portable).
- II.T.5. A risk assessment evaluation shall be performed for each waste stream prior to management within a miscellaneous unit.
  - II.T.5.a. Waste processing shall not be performed through any miscellaneous unit unless the calculated cancer risk at the property boundary (fence line) and/or maximum point of concentration (if the maximum concentration occurs outside the property boundary) for non-workers, for all miscellaneous unit operations and operating conditions, is below  $1 \times 10^{-6}$ .
  - II.T.5.b. Waste processing shall not be performed through any miscellaneous unit unless the calculated non-cancer Hazard Index (HI) at the property boundary (fence line) and/or maximum point of concentration (if the maximum concentration occurs outside the property boundary) for non-workers, for all miscellaneous unit operations and operating conditions, is below 1.0.
  - II.T.5.c. The calculated cancer risk and/or HI may be exceeded for a particular waste stream upon written Executive Secretary approval. This approval shall be attained prior to the commencement of operations for the particular waste stream.



- II.T.5.d. The risk assessment for thermal desorption operations shall be performed using the calculations presented in the report entitled "Subpart X Risk Assessment Thermal Desorption Operations," dated July 14, 2002.
- II.T.5.e. The risk assessment for microencapsulation operations shall be performed using the calculations presented in the report entitled "Risk Evaluation Emissions from the Microencapsulation of Waste Material at the Envirocare of Utah Facility Located in Clive, Utah," dated April 23, 1998, by Science Applications International Corporation (SAIC).
- II.T.5.f. The risk assessment for the MACRO Extruder, Mixer No. 1, Shredder No. 1, Shredder No. 2, Grizzly No. 1, Screen No. 1, the Small-Scale Mixer, or the Drum Crusher shall be performed using the calculations presented in the report entitled "Subpart X Risk Evaluation of Emissions from Miscellaneous Units at the Envirocare of Utah Clive Facility," dated September 21, 2000.
- II.T.5.g. A computer-based risk assessment tool created by SAIC shall be used in the evaluations of II.T.5.d., II.T.5.e., and II.T.5.f.
- II.T.5.h. The risk assessment evaluation and an emissions/risk printout generated by the computer-based risk assessment tool shall be placed in the operating record.
- II.T.5.i. A database of all risk assessment evaluations shall be maintained by the Permittee. This database shall calculate cumulative cancer effects at the Permittee's property boundary (fence line) and/or the maximum point of concentration (if the maximum is outside the property boundary) for all waste processed through miscellaneous units.

## END OF MODULE II